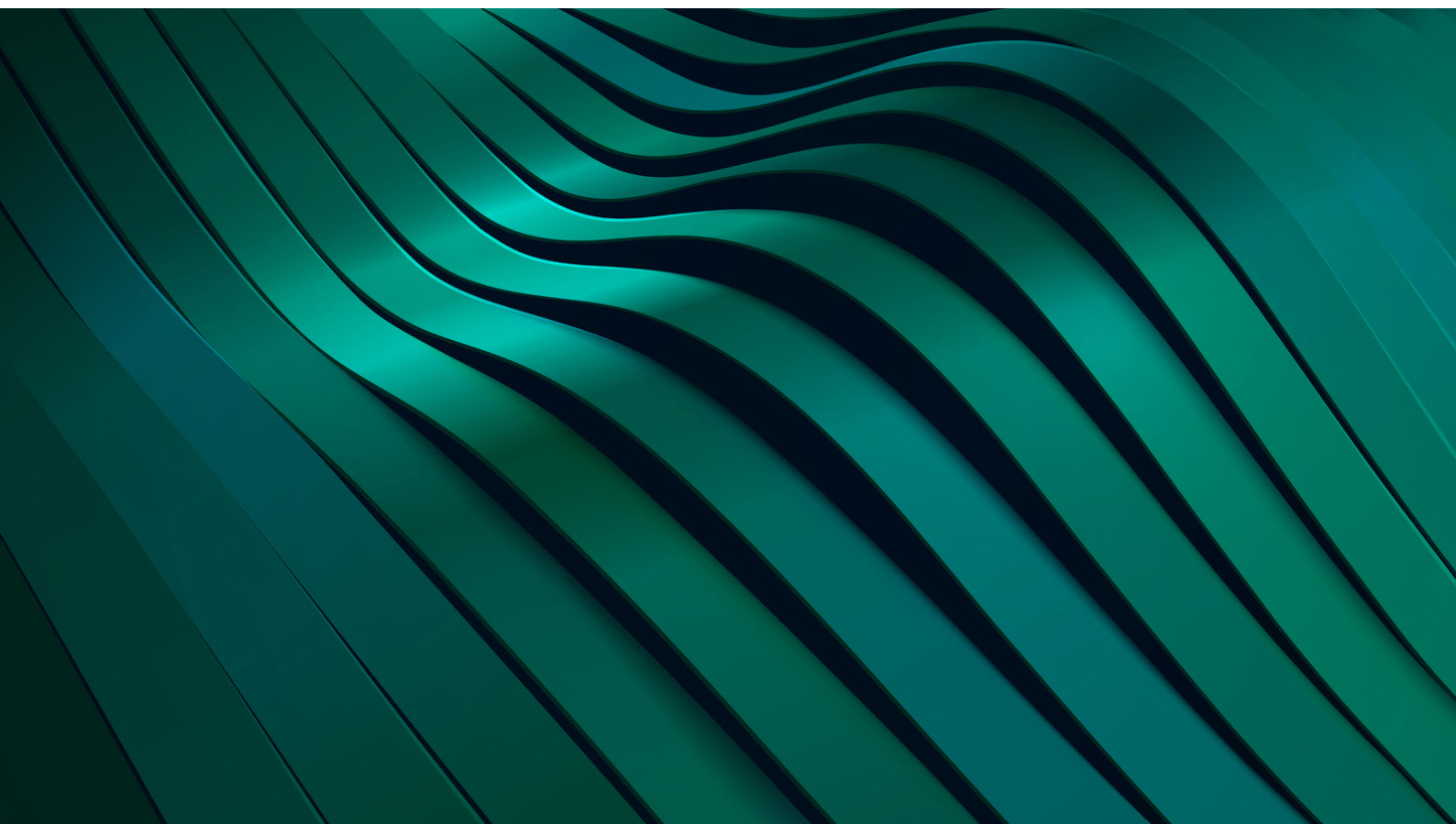


HPE Aruba Networking CX switch software feature packs

HPE 
GreenLake



About HPE Aruba Networking CX switches

HPE Aruba Networking CX Switches connect, protect, and simplify your network, bridging users, applications, and mission critical data. With intuitive tools and built-in analytics, CX switches cut the complexity of IT, reduce time spent troubleshooting, and create a foundation for new technologies and future business.

Built on cloud-native principles, the CX switch portfolio gives IT the flexibility to deploy a single switch operating system from edge access to the data center that supports intuitive management tools, smart automation, and distributed analytics that transform the IT network operator experience.

As part of HPE Aruba Networking's Edge Services Platform (ESP), CX switches play a foundational role in the Unified Infrastructure. Automation, embedded analytics, high availability, and secure segmentation are designed into CX switches with HPE Aruba Networking Central delivering a unified, single view of the network that maximizes operational efficiency across enterprise networks.

HPE Aruba Networking CX operating system (AOS-CX)

The HPE Aruba Networking CX Operating System (AOS-CX) is a modern, database-driven operating system that automates and simplifies many critical and complex network tasks. A built-in time series database enables customers and developers to utilize software scripts for historical troubleshooting and analysis of past trends. This helps predict and avoid future problems due to scale, security, and performance bottlenecks.

Every CX switch includes AOS-CX at no cost and with an active, perpetual set of native features which has everything needed to deploy, connect, and troubleshoot an enterprise network. Because AOS-CX is built on a modular Linux architecture with a stateful database, the operating system provides the following unique benefits:

- Easy access to all network state information for unique visibility and analytics
- REST APIs and Python scripting for fine-grained programmability of network tasks
- A micro-services architecture that enables full integration with other workflow systems and services
- Continual state synchronization that provides superior fault tolerance and high availability
- Near real-time state and resiliency and the ability to independently upgrade individual software modules for higher availability
- All software processes communicate with the database rather than each other, ensuring near real-time state and resiliency and allowing individual software modules to be independently upgraded for higher availability

In addition to the native enterprise features available in AOS-CX, we offer optional, term-based HPE Aruba Networking CX Advanced Feature Packs that can be consumed standalone or combined with HPE Aruba Networking Central Advanced for CX Switches.

Explore and compare switch features for each platform and software release on the [HPE Aruba Networking Switch Feature Navigator](#).

HPE Aruba Networking Central for CX Switches

HPE Aruba Networking Central is an AI-powered solution that simplifies IT operations, improves agility, and reduces costs by unifying management of all network infrastructure—from branch to data center, wired and wireless LAN to WAN. Available as a cloud-based or on-premises solution, HPE Aruba Networking Central is designed to simplify day zero through day two operations with streamlined workflows for tasks such as virtual switch stack creation, automated monitoring using AI-powered insights and NAE, as well as a unified view of all devices and users, both wired and wireless.

There are two HPE Aruba Networking Central subscriptions available for CX switches, HPE Aruba Networking Central Foundational and HPE Aruba Networking Central Advanced.

An HPE Aruba Networking Central Foundational subscription enables comprehensive switch management capabilities that include configuration, onboarding, monitoring, troubleshooting, and reporting. An HPE Aruba Networking Central Advanced subscription expands these capabilities with premium security and AIOps, including the HPE Aruba Networking Central NetConductor Fabric Wizard and Policy Manager to enable dynamic segmentation and distributed enforcement at a global scale.



Additionally, an HPE Aruba Networking Central Advanced subscription enables the CX Advanced feature pack for CX 6300, CX 6400, CX 8xxx, and CX 9xxx switches so there is no need to separately purchase a CX Advanced feature pack. This streamlines operational efficiency, reducing the need for your IT team to keep track of multiple subscriptions, active terms, and renewal dates.

For more information on HPE Aruba Networking Central subscriptions, see the [HPE Aruba Networking Central SaaS Subscription Ordering Guide](#).

HPE Aruba Networking CX Advanced feature packs

An HPE Aruba Networking CX Advanced feature pack unlocks advanced security and threat intelligence, visibility and assurance, and advanced networking. Customers needing enhanced functionality may choose to upgrade their CX switch with a CX Advanced feature pack, available for a 90-day evaluation and in 1-/3-/5-/7-/10-Year terms for CX 6300, CX 6400, CX 8xxx, and CX 9xxx switches.

Advanced security

- Hardens network security posture with WAN MACsec encryption services and support for Reflexive Policy.

Visibility and assurance

- Delivers deep visibility and application recognition with CX Edge Insights, including granular datapoint collection with search, sort and reporting
- Enables role and application-based policy enforcement with the ability to recognize more than 3800 applications across 22 categories, and take action. Policy actions include drop, remark, and mirror.

Advanced networking

- Extends network customization with container infrastructure that can host HPE certified applications for flexible and reliable IT services

HPE Aruba Networking CX Advanced and Premium feature packs for CX 10000 switches

HPE Aruba Networking CX 10000 switches distribute advanced services to the data center edge, with unified network and security automation and policy, allowing operators to extend industry standard leaf-spine networking with 800G of distributed stateful firewall for east-west traffic, zero-trust segmentation, and pervasive telemetry services. This functionality requires the HPE Aruba Networking CX Advanced feature pack, available for a 90-day evaluation and in perpetual or 1-/3-/5-year terms for CX 10000 switches.

Customers will have the ability to upgrade to an HPE Aruba Networking CX Premium feature pack that includes the CX Advanced feature pack functionality plus accelerated IPsec encryption, NAT, and additional network and security services.



Table 1. HPE Aruba Networking CX operating system (AOS-CX) features

Feature	Platforms	CX AOS-CX native enterprise features	CX Advanced feature pack ¹	CX Premium feature pack ¹
IPsec VPN services Secure end-to-end encryption for site-to-site and multi-cloud enterprise and service provider connectivity.	CX 10000			●
Scalable network address translation services Private to public IP address translation at scale. Stateful NAT for dual-stack IPv4/IPv6 deployments	CX 10000			●
Distributed stateful east-west firewall Accelerated stateful firewall for east-west traffic, zero-trust segmentation	CX 10000		●	●
Pervasive visibility and ecosystem integration Firewall logging and per-packet IPFIX telemetry streaming to XDR platforms increasing detection/response capabilities.	CX 10000		●	●
Container infrastructure Host HPE certified applications for flexible and reliable IT services.	CX 10000, CX 9300, CX 8400, CX 8360, CX 8325, CX 8320, CX 8100		●	●
WAN MACsec encryption Enable MACsec extensions to secure WAN communication transiting through intermediate MACsec unaware L2 nodes. Provides compliance to CFR export rules.	CX 8360, CX 6300		●	
Reflexive Policy Permit or deny traffic based on flow aware policies for port access and port access GBP clients	CX 6400, CX 6300		●	
Application-based policies Enforce user traffic policies to specific applications or protocols identified by application recognition	CX 6400, CX 6300		●	
CX edge insights Deep visibility with application recognition, identification, and flow capture from layer 4 to layer 7	CX 6400, CX 6300		●	

¹ An HPE Aruba Networking CX Advanced Feature Pack or CX Premium Feature Pack is required



Table 1. HPE Aruba Networking CX operating system (AOS-CX) features

Feature	Platforms	CX AOS-CX native enterprise features	CX Advanced feature pack ¹	CX Premium feature pack ¹
Network Analytics Engine (NAE) Automated monitoring and diagnostics for enhanced network health visibility, telemetry, troubleshooting, analysis, and reporting	All CX Platforms	●	●	●
Dynamic segmentation Seamless mobility, consistent policy enforcement, and automated configurations for wired and wireless clients across networks.	All CX Platforms	●	●	●
Switch stacking and clustering Streamlined simplicity and scalability with single chassis behavior for configuration and management.	CX 10000, CX 9300, CX 8400, CX 8360, CX 8325, CX 8320, CX 8100, CX 6400, CX 6300	●	●	●
High availability and resiliency Hot swappable parts for modular switches, always-on PoE, VRRP, LACP, ERPS, VSX live upgrades, VSF rolling stack upgrades (6300 only), and Hot-Patching support.	CX 10000, CX 9300, CX 8400, CX 8360, CX 8325, CX 8320, CX 8100, CX 6400, CX 6300	●	●	●
Quality of service QoS support with traffic prioritization capabilities like strict priority queuing, Layer 4 prioritization, Class of Service (CoS) priority tagging, rate limits, Egress Queue Shaping (EQS).	All CX Platforms	●	●	●
Layer 2 switching Includes VLAN, VXLAN, EVPN, RPVST+, MVRP, BPDU, STP, and IGMP.	All CX Platforms	●	●	●
Layer 3 services and routing Includes OSPF, RIP, BGP, and MPLS (CX 6400 only)	CX 10000, CX 9300, CX 8400, CX 8360, CX 8325, CX 8320, CX 8100, CX 6400, CX 6300	●	●	●
Telemetry Includes sFlow, IPFIX, IP SLA, REST API, and mirroring	All CX Platforms	●	●	●
IP multicast services Discovery, load-sharing, redundancy, and protocol independent multicast and convergence capabilities.	All CX Platforms	●	●	●
Network security Includes access control, secure certificate enrollment, RADIUS, TACACS+, control plane policing, MAC authentication, ICMP throttling, Dynamic ARP, SSL encryption, RadSec, and PVLAN.	All CX Platforms	●	●	●
NetEdit support Switch configuration automation and orchestration with search, validation, deployment and audit capabilities.	All CX Platforms	●	●	●

¹ An HPE Aruba Networking CX Advanced Feature Pack or CX Premium Feature Pack is required for the CX 10000



Table 2. Feature pack ordering SKUs

SKU	SKU description
HPE Aruba Networking CX Advanced feature packs for CX 6300 switches	
S0T77AAE	HPE Aruba Networking CX Soft 63xx Sw Adv 1y E-STU
S0T78AAE	HPE Aruba Networking CX Soft 63xx Sw Adv 3y E-STU
S0T79AAE	HPE Aruba Networking CX Soft 63xx Sw Adv 5y E-STU
S0T80AAE	HPE Aruba Networking CX Soft 63xx Sw Adv 7y E-STU
S0T76AAE	HPE Aruba Networking CX Soft 63xx Sw Adv 10y E-STU
HPE Aruba Networking CX Advanced feature packs for CX 6400 switches	
S0T82AAE	HPE Aruba Networking CX Soft 64xx Sw Adv 1y E-STU
S0T83AAE	HPE Aruba Networking CX Soft 64xx Sw Adv 3y E-STU
S0T84AAE	HPE Aruba Networking CX Soft 64xx Sw Adv 5y E-STU
S0T85AAE	HPE Aruba Networking CX Soft 64xx Sw Adv 7y E-STU
S0T81AAE	HPE Aruba Networking CX Soft 64xx Sw Adv 10y E-STU
HPE Aruba Networking CX Advanced feature packs for CX 8xxx/9xxx switches	
S0T87AAE	HPE Aruba Networking CX Soft 8/9xxx Sw Adv 1y E-STU
S0T88AAE	HPE Aruba Networking CX Soft 8/9xxx Sw Adv 3y E-STU
S0T89AAE	HPE Aruba Networking CX Soft 8/9xxx Sw Adv 5y E-STU
S0T90AAE	HPE Aruba Networking CX Soft 8/9xxx Sw Adv 7y E-STU
S0T86AAE	HPE Aruba Networking CX Soft 8/9xxx Sw Adv 10y E-STU



Ordering guide

Table 2. Feature pack ordering SKUs

SKU	SKU description
HPE Aruba Networking CX feature packs for CX 10000 switches	
S0T97AAE	HPE Aruba Networking CX Soft 10xxx Sw Adv 1y E-STU
S0T98AAE	HPE Aruba Networking CX Soft 10xxx Sw Adv 3y E-STU
S0T99AAE	HPE Aruba Networking CX Soft 10xxx Sw Adv 5y E-STU
R9H25AAE	HPE Aruba Networking CX Soft 10xxx Sw Adv Perpetual E-LTU
S0U02AAE	HPE Aruba Networking CX Soft 10xxx Pre 1y E-LTU
S0U03AAE	HPE Aruba Networking CX Soft 10xxx Pre 3y E-LTU
S0U04AAE	HPE Aruba Networking CX Soft 10xxx Pre 5y E-LTU
R9H26AAE	HPE Aruba Networking CX Soft 10xxx Pre Perpetual E-LTU

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Contact our presales specialists.**



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